

IN THE CLAIMS

1. (original) An ink composition in which a pigment is dispersed in a solvent, and comprising a copolymer that contains structural units originating in an aromatic compound monomer and structural units originating in a C₅ or higher diene compound and/or structural units originating in a non-diene compound, wherein the copolymer has a sulfonic acid group, and the proportion of structural units originating in the aromatic compound monomer is 30 to 60 wt% with respect to the weight of the copolymer (100 wt%).

2. (original) The ink composition according to claim 1, wherein the aromatic compound monomer is selected from the group consisting of styrene, α -methylstyrene, o-methylstyrene, p-methylstyrene, m-methylstyrene, chlorostyrene, and vinyl benzoate.

3. (presently amended) The ink composition according to claim 1 or 2, wherein the copolymer is contained as an emulsion.

4. (presently amended) The ink composition according to ~~any of Claims~~ claim 1 to 3, wherein the non-diene compound is an acrylic compound.

5. (original) The ink composition according to claim 1, wherein the pigment is dispersed in a solvent by a macromolecular compound having a carboxyl group.

6. (original) The ink composition according to claim 5, wherein the macromolecular compound having a carboxyl group is a styrene-acrylic acid resin.

7. (presently amended) The ink composition according to ~~any of Claims~~ claim 1

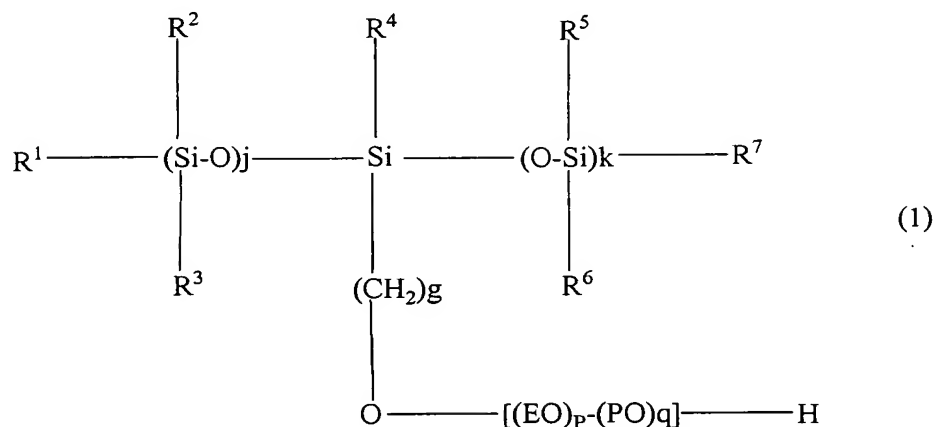
to 6, further containing a 1,2-alkanediol.

8. (original) The ink composition according to claim 7, wherein the 1,2-alkanediol is 1,2-hexanediol.

9. (presently amended) The ink composition according to claim 7 or 8, wherein the 1,2 alkanediol is contained in an amount of 1 to 15 wt%.

10. (presently amended) The ink composition according to any of Claims claim 1 to 9, further containing a polyether-modified organosiloxane compound.

11. (original) The ink composition according to claim 10, wherein the polyether-modified organosiloxane compound is expressed by the following formula:



(where R¹ to R⁷ are each independently a C₁ to C₆ alkyl group, j, k, and g are each independently an integer greater than or equal to 1, EO is an ethyleneoxy group, PO is a propyleneoxy group, p and q are integers greater than or equal to 0, p + q is an integer greater than or equal to 1, and EO and PO may be random or block regardless of their order within the brackets).

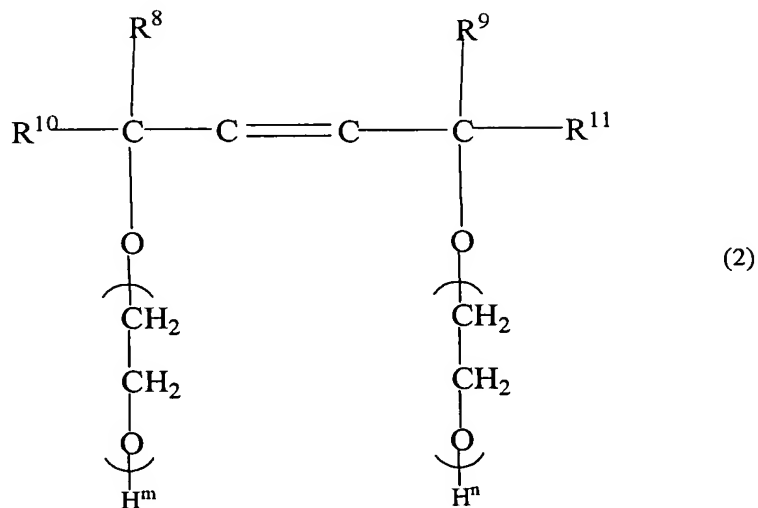
12. (presently amended) The ink composition according to ~~any of Claims claim 1 to 11~~, further containing an alkyl ether of a polyhydric alcohol.

13. (presently amended) The ink composition according to claim 12, wherein the alkyl ether of a polyhydric alcohol is selected from the group consisting of ethylene glycol monoethyl ether, ethylene glycol monobutyl ether, diethylene glycol monomethyl ether, diethylene glycol monoethyl ether, diethylene glycol monobutyl ether, triethylene glycol monomethyl ether, triethylene glycol monoethyl ether, and triethylene glycol monobutyl ether.

14. (presently amended) The ink composition according to claim 12 ~~or 13~~, wherein the alkyl ether of a polyhydric alcohol is triethylene glycol monobutyl ether.

15. (presently amended) The ink composition according to ~~any of Claims claim 1 to 14~~, further containing an acetylene glycol-based surfactant.

16. (original) The ink composition according to claim 15, wherein the acetylene glycol-based surfactant is expressed by the following formula:



(where $0 \leq m + n \leq 50$, and R^8 to R^{11} are each independently an alkyl group).

17. (presently amended) A recording method, comprising the step of applying the ink composition according to ~~any of Claims~~ claim 1 ~~to 16~~ to a recording medium so as to form an image.

18. (presently amended) Recording matter produced by forming an image by applying the ink composition according to ~~any of Claims~~ claim 1 ~~to 16~~ to a recording medium.